

STATE OF MISSOURI  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY PROGRAM

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

RECEIVED  
E 11/7/08  
FORM OGC-3

DEC 28 2007

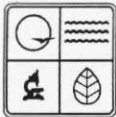
<input checked="" type="checkbox"/> APPLICATION TO DRILL		<input type="checkbox"/> DEEPEN		<input type="checkbox"/> PLUG BACK		<input checked="" type="checkbox"/> FOR AN OIL WELL		<input type="checkbox"/> OR GAS WELL																																																	
NAME OF COMPANY OR OPERATOR D.E. Exploration, Inc.						DATE 12/27/2007																																																			
ADDRESS P.O. Box 128				CITY Wellsville		STATE KS		ZIP CODE 66092																																																	
<b>DESCRIPTION OF WELL AND LEASE</b>																																																									
NAME OF LEASE Belton Unit				WELL NUMBER #R-20		ELEVATION (GROUND) 1079																																																			
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 4200 ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South section line 2045 ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West section line																																																									
WELL LOCATION Sec. 16 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West				LATITUDE NA		LONGITUDE NA		COUNTY Cass																																																	
NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 2045 FEET																																																									
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 300 FEET																																																									
PROPOSED DEPTH 700'		DRILLING CONTRACTOR, NAME AND ADDRESS Evans Energy Development, Inc.				ROTARY OR CABLE TOOLS Rotary		APPROX. DATE WORK WILL START 1/7/2008																																																	
NUMBER OF ACRES IN LEASE 560		NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 70 NUMBER OF ABANDONED WELLS ON LEASE 0																																																							
IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED? NAME E.W. Stallings/Western Engineering ADDRESS _____						NO. OF WELLS PRODUCING 42 INJECTION 26 INACTIVE 15 ABANDONED 0																																																			
STATUS OF BOND		<input type="checkbox"/> SINGLE WELL AMOUNT \$ _____		<input checked="" type="checkbox"/> BLANKET BOND AMOUNT \$ 40000.00		<input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED																																																			
REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)																																																									
<table border="1"><thead><tr><th colspan="4">PROPOSED CASING PROGRAM</th><th colspan="4">APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST</th></tr><tr><th>AMOUNT</th><th>SIZE</th><th>WT/FT</th><th>CEMENT</th><th>AMOUNT</th><th>SIZE</th><th>WT/FT</th><th>CEMENT</th></tr></thead><tbody><tr><td>700'</td><td>4 1/2"</td><td></td><td>114 sk</td><td>700'</td><td>4 1/2"</td><td></td><td>114 sk</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>to surface</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>										PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST				AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT	700'	4 1/2"		114 sk	700'	4 1/2"		114 sk								to surface																
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							to surface																																																		
I, the Undersigned, state that I am the <u>President</u> of the <u>D.E. Exploration, Inc.</u> (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.																																																									
SIGNATURE <i>Douglas Evans</i>						DATE 12/27/2007																																																			
PERMIT NUMBER 20823				<input checked="" type="checkbox"/> DRILLER'S LOG REQUIRED <input checked="" type="checkbox"/> E-LOGS REQUIRED IF RUN <input checked="" type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN <input checked="" type="checkbox"/> DRILL SYSTEM TEST INFO REQUIRED IF RUN <input type="checkbox"/> SAMPLES REQUIRED <input checked="" type="checkbox"/> SAMPLES NOT REQUIRED <input type="checkbox"/> WATER SAMPLES REQUIRED AT																																																					
APPROVED DATE 1-4-08																																																									
APPROVED BY <i>[Signature]</i>																																																									
<b>NOTE</b> THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.																																																									
APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE																																																									
I, _____ of the _____ (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.																																																									
DRILLER'S SIGNATURE						DATE																																																			

1. <u>South A. Evans</u> of the <u>Evans Energy Development Inc.</u>	
Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized Council representative.	
Council's Signature <u>South A. Evans</u>	DATE <u>12-27-07</u>

RECEIVED

DEC 28 2007

Mo Oil & Gas Council



STATE OF MISSOURI  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY PROGRAM  
**INJECTION WELL LOCATION PLAT**

**RECEIVED** FORM OGC-41

DEC 28 2007

OWNER'S NAME

D.E. Exploration, Inc.

Mo Oil & Gas Council

LEASE NAME

Belton Unit #R-20

COUNTY

Cass

WELL LOCATION

(GIVE FOOTAGE FROM SECTION LINES)

4200 ft. from ☐ North ☒ South section line 2045 ft. from ☒ East ☐ West section line

WELL LOCATION

Sec. 16 Township 46 North Range 33 ☐ East ☒ West

Belton Quad

LATITUDE

NA

LONGITUDE

NA

NE  $\frac{1}{4}$

N



REMARKS

Refer to map sent 12/27/2007

**INSTRUCTIONS**

On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.

This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

REGISTERED LAND SURVEY

NUMBER



STATE OF MISSOURI  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY PROGRAM

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

RECEIVED

FORM OGC-5

DEC 08 2011

☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ INJECTION ☐ SAME RESERVOIR ☐ DIFFERENT RESERVOIR ☒ OIL ☐ GAS ☐ DRY

OWNER  
D. E. EXPLORATION, INC.

ADDRESS

PO BOX 128, WELLSVILLE, KS 66092

LEASE NAME

BELTON UNIT

WELL NUMBER

R-20

LOCATION OF WELL SEC TWN RNG OR BLOCK AND SURVEY  
Sec. 16 Twp 46 North, Rng 33 ☐ East ☒ West OR \_\_\_\_\_ ft. from ☐ North ☐ South \_\_\_\_\_ ft. from ☐ East ☐ West

LATITUDE

38.81431

LONGITUDE

-94.57408

COUNTY  
CASS

PERMIT NUMBER (OGC-3 OR OGC-31)

20823

DATE SPUDDED  
01/18/2008

DATE TOTAL DEPTH REACHED

01/22/2008

DATE COMPLETED READY TO  
PRODUCE OR INJECT

NA

ELEVATION (DF, RKR, RT, OR Gr.)  
FEET

1082

ELEVATION OF CASING HD.  
FLANGE

NA

FEET

TOTAL DEPTH  
680

PLUG BACK TOTAL DEPTH

661

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION  
(NOT YET PERFORATED. EST 540-624)

ROTARY TOOLS USED (INTERVAL)

\_\_\_\_\_ TO \_\_\_\_\_ ALL, FRESH

CABLE TOOLS USED (INTERVAL)

WAS THIS WELL DIRECTIONALLY DRILLED? ☐ Yes ☒ No

WAS DIRECTIONAL SURVEY MADE? ☐ Yes ☒ No

WAS COPY OF DIRECTIONAL SURVEY FILED? ☐ Yes ☒ No

DATE FILED

TYPE OF ELECTRICAL OR OTHER LOGS RUN (JUST LOGS FILED WITH THE STATE GEOLOGIST)  
DRILLER

DATE FILED

CASING RECORD

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
SURFACE	12.25"	8.625"	25	21'	7	
PRODUCTION	6.5"	4.5"	10	661'	94	

TUBING RECORD

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
INCH	FEET	FEET	INCH	FEET	FEET		FEET

LINER RECORD

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

NUMBER PER FOOT	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION  
SHUT IN

PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP.)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	OIL PRODUCED DURING TEST	GAS PRODUCED DURING TEST	WATER PRODUCED DURING TEST	OIL GRAVITY
			BBLS	MCF	BBLS	API (CORR.)
TUBING PRESSURE	CASING PRESSURE	CALCULATED RATE OF PRODUCTION PER 24 HOURS	OIL	GAS	WATER	GAS OIL RATIO
			BBLS	MCF	BBLS	

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)

METHOD OF DISPOSAL OF MUD PIT CONTENTS

CERTIFICATE: I, the Undersigned, state that I am the MGR of the CORP (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

DATE  
12/05/2011

SIGNATURE

*Phillip Frick*

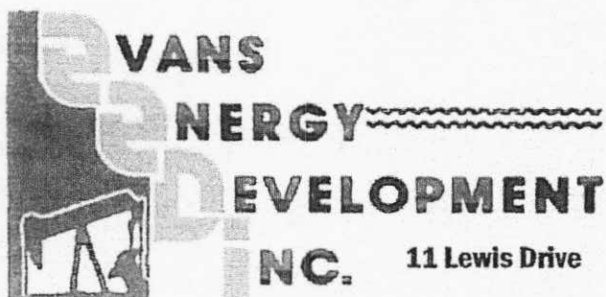
(PHILLIP FRICK, MANAGER)

**INSTRUCTIONS:** Attach drillers log or other acceptable log of well.

- \* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

**DETAIL OF FORMATIONS PENETRATED**

FORMATION	TOP	BOTTOM	DESCRIPTION (SEE * ABOVE)
			SEE ATTACHED



11 Lewis Drive

Paola, KS 66071

**Oil & Gas Well Drilling**  
**Water Wells**  
**Geo-Loop Installation**

Phone: 913-557-9083

Fax: 913-557-9084

**WELL LOG**

Belton Oil Company

R-20

Missouri Permit #20823

January 18 - January 22, 2008

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
6	soil & clay	6
32	lime	38
27	shale	65
10	lime	75
17	shale	92
4	lime	96
31	shale	127
4	lime	131
25	shale	156
29	lime	185
6	shale	191
19	lime	210
5	shale	215
2	lime	217
3	shale	220
7	lime	227 base of the Kansas City
171	shale	398
3	lime	401
5	sand	406 making gas
10	shale	416
6	lime	422
16	shale	438
8	lime	446
7	broken sand	453 lite brown & grey sand, little show
11	shale	464
6	lime	470
15	shale	485
3	sand	488 grey, no show
4	broken sand	492 grey & brown sand, little oil show
2	silty shale	494
2	sand	496 grey, no oil show
5	silty shale	501
3	sand	504 grey, no show, tight
2	silty shale	506
9	sand	515 grey, no oil show
22	shale	537
3	broken sand	540 lite brown & grey sand, little show
2	sand	542 lite brown, good bleeding
1	lime & sand	543 60% lime, 40% sand, 40% bleeding
7	shale	550
4.5	broken sand	554.5 a few thin bleeding seams
3.5	shale	558

5	broken sand	563 70% shale and few bleeding seams good bleeding sand
1	lime & sand	564 good bleeding sand
1.5	broken sand	565.5 lite brown, good bleeding sand
0.5	shale	566 good bleeding sand
4	sand	570 lite brown, good saturation, good bleeding sand
1	lime & sand	571 few thin bleeding seams, good bleeding sand
8	sand	579 few shale laminations, good bleeding sand
1	shale	580
6	sand	586 lite brown, good bleeding sand
2	limey sand	588 good bleeding sand
3	sand	591 lite brown, good bleeding sand
5	lime & sand	596 60% lime, 40% sand, good bleeding sand
6	sand	602 lite brown, 80% bleeding
2	sand & shale	604 60% sand, 40% shale, 80% bleeding
20	sand	624 good bleeding sand, good oil show
10	shale	634
1	coal	635
45	shale	680 TD

Drilled a 12 1/4" hole to 21'

Drilled a 6 1/2" hole to 680'

Set 20.6' of 8 5/8" threaded and coupled surface casing cemented with 7 sacks of cement

Set 661' of 4 1/2" threaded and coupled including 3 centralizers, 1 float shoe and 1 clamp.



## Englevale - Upper Squirrel Core Time

	<u>Minutes</u>	<u>Seconds</u>		<u>Minutes</u>	<u>Seconds</u>		<u>Minutes</u>	<u>Seconds</u>
542	1	53	583		20	624	1	2
543		32	584		16	625		55
544		35	585		17	626		43
545		27	586		24	627		36
546		32	587	4	24	628		38
547		32	588		47	629		39
548		37	589	3	21	630		39
549		37	590	1	49	631		55
550	1	23	591	1	14	632	1	0
551		57	592		51	633		49
552		28	593	1	20	634	1	7
553		37	594		46	635	1	11
554		32	595	1	21	636		54
555		32	596		50	637	1	5
556		37	597	1	4	638		53
557		42	598		58	639		55
558		37	599		31	640		55
559		41	600		42	641		45
560		42	601	2	41	642		40
561		42	602	1	44	643		51
562		44	603	2	13	644	1	7
563		45	604	2	15	645		48
564	2	26	605	1	42	646		46
565		36	606		53	647		41
566		33	607		26	648		40
567		35	608	1	47	649		52
568		31	609		24			
569		47	610		18			
570	1	11	611	1	8			
571	1	17	612	1	7			
572	1	8	613	1	0			
573		33	614		47			
574		30	615		44			
575		20	616		43			
576		21	617	1	6			
577		15	618		52			
578		20	619		48			
579		31	620		55			
580		36	621		48			
581		16	622		44			
582		16	623		52			





**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
FAX 620/431-0012

INVOICE  
===== Invoice # 219859  
Invoice Date: 01/25/2008 Terms: Page 1  
=====

D.E. EXPLORATION  
DOUG EVANS  
P.O. BOX 128  
WELLSVILLE KS 66092  
(785)883-4057

BELTON UNIT #R-20  
9-46-33  
15956  
01/22/08

Part Number	Description	Qty	Unit Price	Total
L124	50/50 POZ CEMENT MIX	94.00	9.3000	874.20
L118B	PREMIUM GEL / BENTONITE	177.00	.1600	28.32
L111	GRANULATED SALT (50 #)	263.00	.3100	81.53
L110A	KOL SEAL (50# BAG)	525.00	.4000	210.00
L143	SILT SUSPENDER SS-630, ES	.50	36.8500	18.43
L401	HE 100 POLYMER	.50	45.0000	22.50
L404	4 1/2" RUBBER PLUG	1.00	42.0000	42.00
=====				
Description	Hours	Unit Price	Total	
L95 CEMENT PUMP	1.00	875.00	875.00	
L95 EQUIPMENT MILEAGE (ONE WAY)	60.00	3.45	207.00	
L95 EQUIPMENT STAND-BY ON LOCATION	2.00	76.00	152.00	
L03 TON MILEAGE DELIVERY	1.00	301.65	301.65	
L03 EQUIPMENT STAND-BY ON LOCATION	2.00	76.00	152.00	
L06 EQUIPMENT STAND-BY ON LOCATION	2.00	76.00	152.00	
-106 WATER TRANSPORT (CEMENT)	5.00	104.00	520.00	

=====

arts:	1276.98 Freight:	.00 Tax:	86.84 AR	3723.47
abor:	.00 Misc:	.00 Total:	3723.47	
ublt:	.00 Supplies:	.00 Change:	.00	

=====

Signed \_\_\_\_\_ Date \_\_\_\_\_

BARTLESVILLE, OK  
918/338-0808

ELDORADO, KS  
316/322-7022

EUREKA, KS  
620/583-7664

GILLETTE, WY  
307/686-4914

McALESTER, OK  
918/426-7657

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5269

WORLAND, WY  
307/347-4577

CONSOLIDATED OIL WELL SERVICES, ~~INC.~~ LLC  
P.O. BOX 884, CHANUTE, KS 66720  
620-431-9210 OR 800-467-8676

TICKET NUMBER 15956  
LOCATION Ottawa KS  
FOREMAN Fred Mader

# TREATMENT REPORT & FIELD TICKET

## CEMENT

Missouri

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1/22/08	2355	Belton Unit #R-20	9	46	33	Cass

CUSTOMER  
D E Exploration

MAILING ADDRESS  
P.O. Box 128

CITY Wellsville STATE KS ZIP CODE 66092

TRUCK #	DRIVER	TRUCK #	DRIVER
506	Fred		
495	Casey		
503	Brian		
505/7106	Chuck/Ken		

JOB TYPE Long string HOLE SIZE 6 3/4 HOLE DEPTH 680 CASING SIZE & WEIGHT 4 1/2

CASING DEPTH 665 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_

SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 4 1/2 Plug

DISPLACEMENT 10.5 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 BPM

REMARKS: Wait 2 hrs on Rig to Run Casing. Establish Circulation. Mix & Pump 1/2 Gal ESA-41 Soap & 1/2 Gal HE-100 Polymer & Circulate From Pit for 1 hr to Condition hole. Mix & Pump 5 1/2 BBLs Telltale dye. Mix & Pump 100 sks 50/50 Poz Mix Cement 270 Gal 5% Salt 5% Kol Seal per sk. Flush pump & lines clean. Displace 4 1/2" Rubber plug to casing TD with 10.5 BBLs Fresh water. Pressure to 780 PSI. Release pressure to set float valve. Check Plug depth w/ wire line.

Evans Energy Dev. Inc.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE Cement Pump	495	875 <sup>00</sup>
5406	60	MILEAGE Pump Truck	495	207 <sup>00</sup>
5407A	4.41 Ton	Ton Mileage	503	301 <sup>66</sup>
5501C	5 hrs	Transport	503/7106	520 <sup>00</sup>
5404	6 hrs	Stand by (3 men x 2 hrs)		456 <sup>00</sup>
1124	94 sks	50/50 Poz Mix Cement		874 <sup>20</sup>
1118B	177 <sup>#</sup>	Premium Gel		28 <sup>33</sup>
1111	263 <sup>#</sup>	Granulated Salt		81 <sup>53</sup>
1110A	525	Kol Seal		210 <sup>00</sup>
1143	1/2 Gal	ESA-41 (soap)		18 <sup>43</sup>
1401	1/2 Gal	HE-100 Polymer		22 <sup>50</sup>
4404	1	4 1/2" Rubber Plug		42 <sup>00</sup>
		Sub Total		3636 <sup>63</sup>
		Tax @ 6.8%		86.89
		SALES TAX		
		ESTIMATED TOTAL		3723.41

AUTHORIZATION Jared Hoehn was here TITLE 219859

DATE \_\_\_\_\_